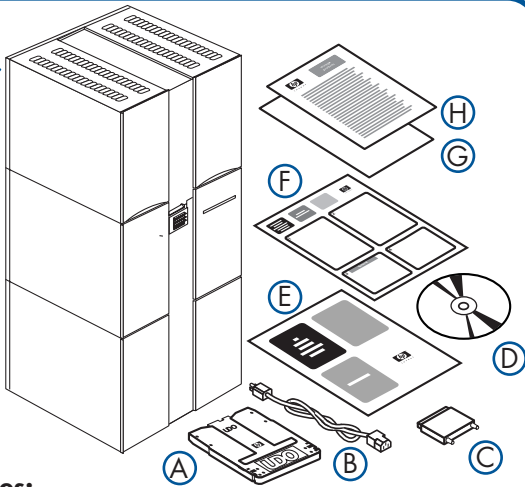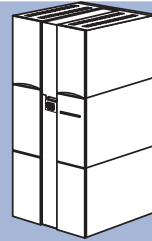# hp
StorageWorks Optical 3800ux/7100ux

Getting Started
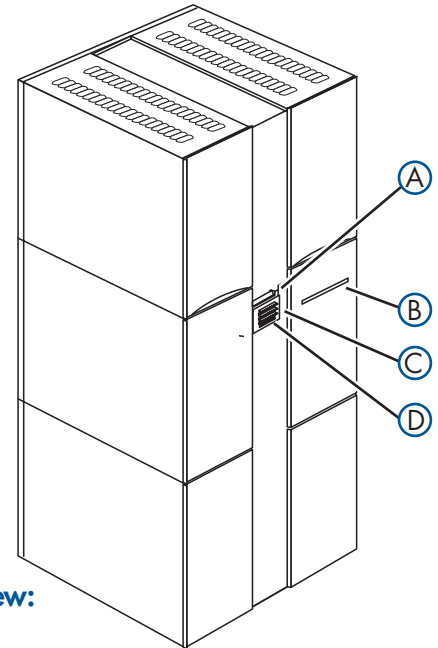

Accessories:

A. UDO media
B. Power cord (U.S.)
C. Terminator
D. Documentation CD

E. Setup Guide
F. Getting Started poster
G. Warranty information
H. Safety Guide

Not Included:

I. LVD SCSI adapter for host system
J. LVD SCSI cable
K. Non-U.S. power cord

Front panel view:

A. Display
B. Mailslot
C. Selection Buttons
D. Activity Indicator

Note: See the *HP StorageWorks Optical 3800ux/7100ux User's Guide* for detailed information regarding these features.

Side panel view (7100ux shown):

A. Active bus indicator
B. SCSI ports
C. Power cord clip
D. Serial number label
E. Access panel
F. Cable access hole
G. Power switch
H. Power receptacle
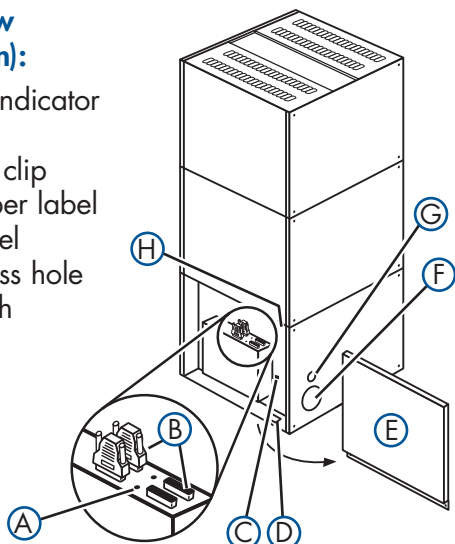
Caution: Components can be damaged by electrostatic discharge. Make sure you are properly grounded when touching static-sensitive components.
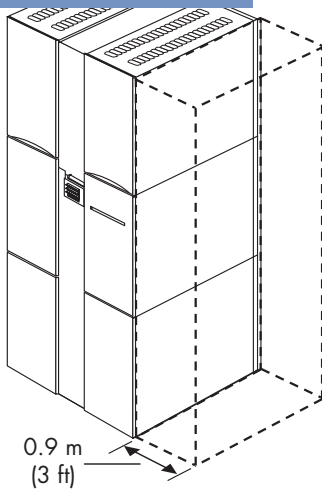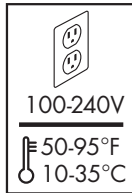
Note: The following is an overview of the installation procedure. For detailed information, refer to the *HP StorageWorks 3800ux/7100ux Setup Guide* that shipped with this product.
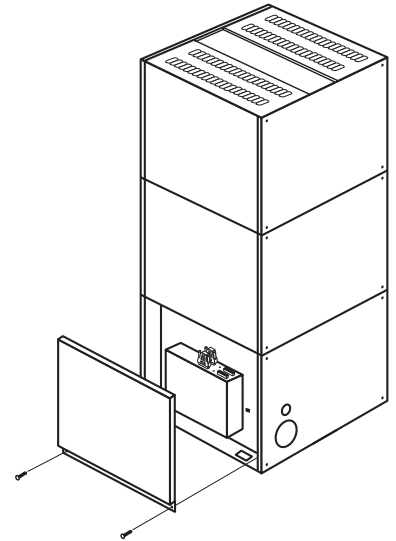
1   Getting connected

Note the environmental considerations. Sufficient clearance is necessary for installation access.
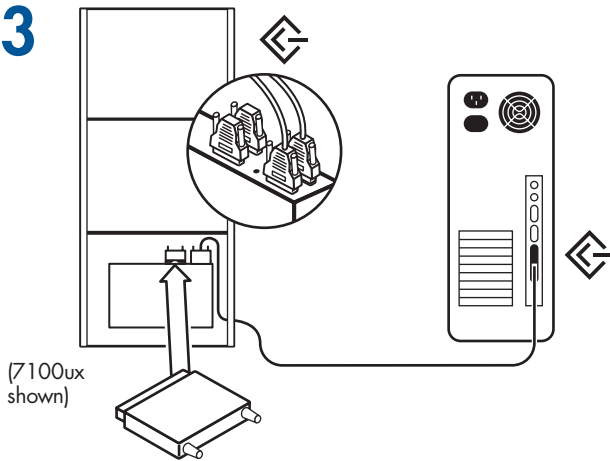
100-240V

50-95°F
10-35°C

0.9 m
(3 ft)

2

Using a flat-slotted screwdriver, remove the two screws securing the access panel to the cabinet.

3

(7100ux shown)

Connect the jukebox to your host computer and terminate the last device in the SCSI chain.

Warning: This product can only be used with an HP approved power cord for your specific geographic region. Use of a non-HP approved power cord may result in: 1) noncompliance with individual, country-specific safety requirements; 2) insufficient conductor ampacity that could result in overheating with potential personal injury and/or property damage; and 3) a fractured power cord, which could cause the internal contacts to be exposed, which potentially could subject the user to a shock hazard. HP disclaims all liability when HP-approved power cords are not used.

4
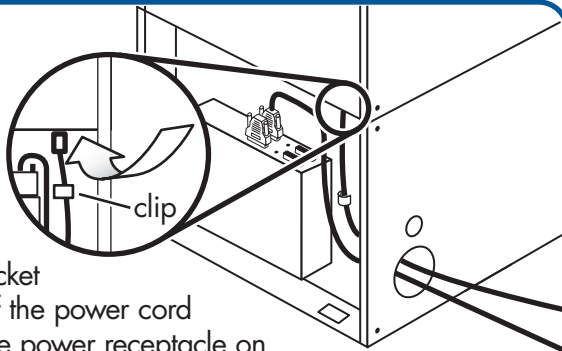
clip

Plug the socket end of the power cord into the power receptacle on the bottom of the power distribution assembly. Route the power cord through the clip and close it securely around the cord. Continue routing down through the long cable slot at the bottom of the right side panel, and out through the access hole at the lower back of the jukebox.

5
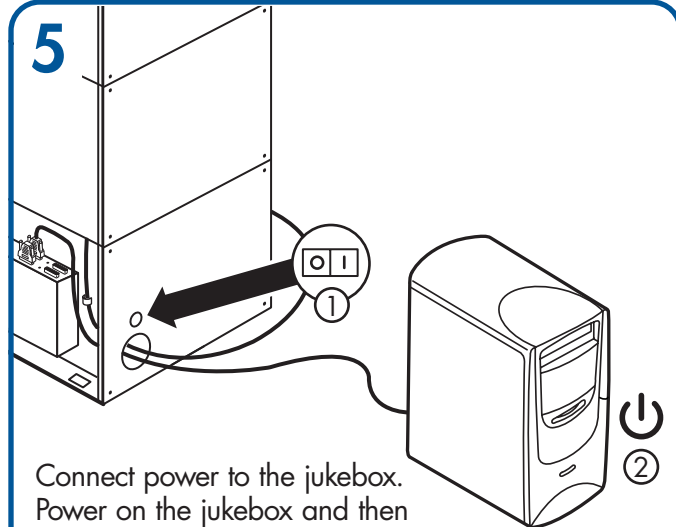
Connect power to the jukebox. Power on the jukebox and then power on the host system.

6
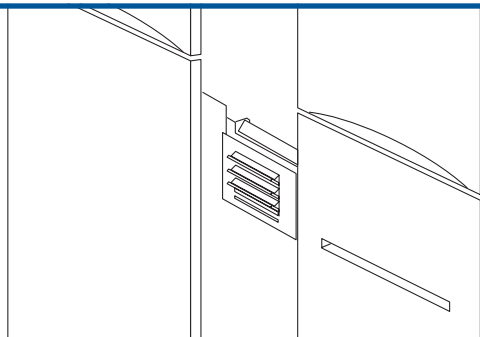
If necessary, set the jukebox and drive SCSI ID's by selecting **READY** > **ADMIN *** > **SCSI ID'S *** from the jukebox menu. Ensure that there are no SCSI ID conflicts with existing devices.

Note: The default administrative password is "000 000 000".

7
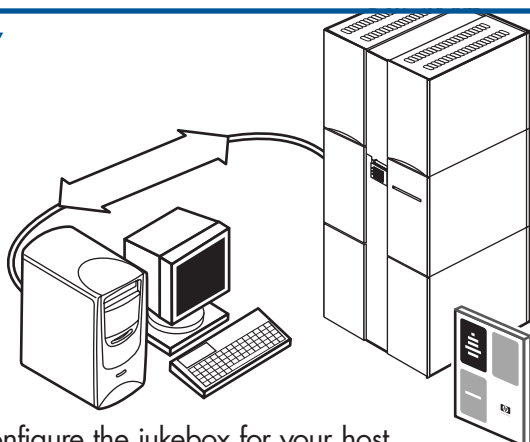
Configure the jukebox for your host operating system.

Note: Refer to the jukebox setup guide for detailed procedures.

8
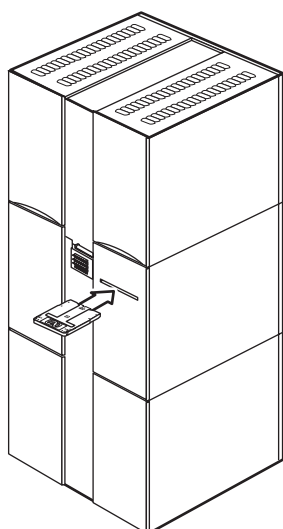
Load a disk into the jukebox by inserting it gently but firmly into the mail slot, shutter end first, with the side you want to access facing up (A or B).

Note: The default SCSI IDs for a 4- or 6-drive UDO jukebox are:
Jukebox = 6
  Drive 1 = 5
  Drive 2 = 4
  Drive 3 = 3
  Drive 4 = 2
  Drive 5 = 1 (if present)
  Drive 6 = 0 (if present)

The default SCSI IDs for a 10-drive UDO jukebox are:
Jukebox = 6
  Bus 1: Drive 1 = 5
         Drive 2 = 4
         Drive 3 = 3
         Drive 4 = 2
  Bus 2: Drive 5 = 5
         Drive 6 = 4
         Drive 7 = 3
         Drive 8 = 2
         Drive 9 = 1
         Drive 10 = 0

The default SCSI IDs for a 10-drive mixed media jukebox are:
Jukebox = 6
  Bus 1: Drive 1 = 5
         Drive 2 = 4
         Drive 3 = 3
         Drive 4 = 2
         Drive 5 = 1
         Drive 6 = 0
  Bus 2: Drive 7 = 5
         Drive 8 = 4
         Drive 9 = 3
         Drive 10 = 2

Navigating the menu

Note: See the *HP StorageWorks Optical 3800ux/7100ux User's Guide* for detailed information on using the menu.

Menu navigation diagram

READY — PREV/NEXT — ADMIN* — PREV/NEXT — LOAD* — PREV/NEXT — EJECT*

ADMIN* → ENTER → PSWD 000 000 000

LOAD* → LOAD SLOT #
LOAD SLOT # — PREV/NEXT — ENTER

EJECT* → EJECT SLOT #
EJECT SLOT # — PREV/NEXT — ENTER

PSWD 000 000 000 → ENTER

PREV/NEXT — TEST* — INFO*

CONFIG* — PREV/NEXT — SCSI IDS*
INFO* — PREV/NEXT — CONFIG*

(service use)

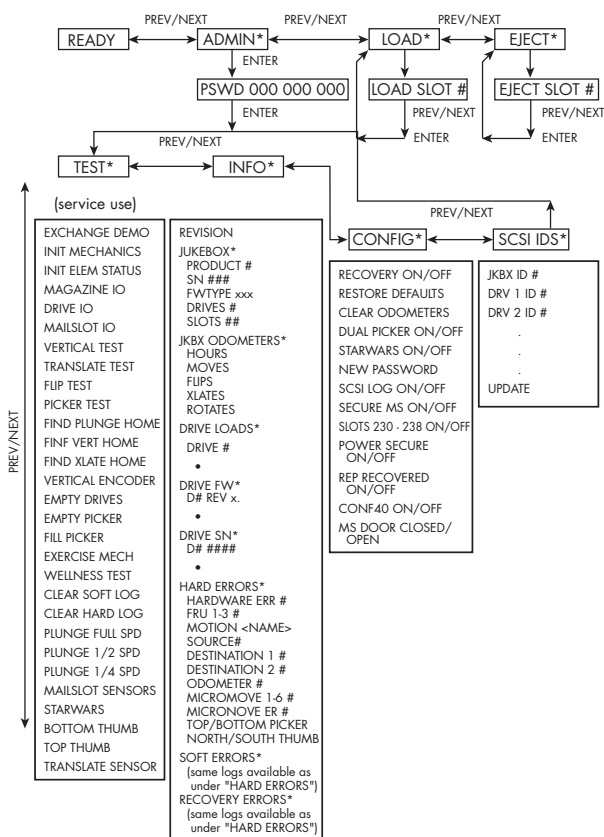| (TEST* list)	(INFO* / REVISION list)	(CONFIG*)	(SCSI IDS*)
EXCHANGE DEMO	REVISION	RECOVERY ON/OFF	JKBX ID #
INIT MECHANICS	JUKEBOX*	RESTORE DEFAULTS	DRV 1 ID #
INIT ELEM STATUS	PRODUCT #	CLEAR ODOMETERS	DRV 2 ID #
MAGAZINE IO	SN ###	DUAL PICKER ON/OFF	.
DRIVE IO	FWTYPE xxx	STARWARS ON/OFF	.
MAILSLOT IO	DRIVES #	NEW PASSWORD	.
VERTICAL TEST	SLOTS ##	SCSI LOG ON/OFF	UPDATE
TRANSLATE TEST	JKBX ODOMETERS*	SECURE MS ON/OFF	
FLIP TEST	HOURS	SLOTS 230 - 238 ON/OFF	
PICKER TEST	MOVES	POWER SECURE ON/OFF	
FIND PLUNGE HOME	FLIPS	REP RECOVERED ON/OFF	
FINF VERT HOME	XLATES	CONF40 ON/OFF	
FIND XLATE HOME	ROTATES	MS DOOR CLOSED/ OPEN	
VERTICAL ENCODER	DRIVE LOADS*		
EMPTY DRIVES	DRIVE #		
EMPTY PICKER	•		
FILL PICKER	DRIVE FW*		
EXERCISE MECH	D# REV x.		
WELLNESS TEST	•		
CLEAR SOFT LOG	DRIVE SN*		
CLEAR HARD LOG	D# ####		
PLUNGE FULL SPD	•		
PLUNGE 1/2 SPD	HARD ERRORS*		
PLUNGE 1/4 SPD	HARDWARE ERR #		
MAILSLOT SENSORS	FRU 1-3 #		
STARWARS	MOTION <NAME>		
BOTTOM THUMB	SOURCE#		
TOP THUMB	DESTINATION 1 #		
TRANSLATE SENSOR	DESTINATION 2 #		
	ODOMETER #		
	MICROMOVE 1-6 #		
	MICRONOVE ER #		
	TOP/BOTTOM PICKER		
	NORTH/SOUTH THUMB		
	SOFT ERRORS*		
	(same logs available as under "HARD ERRORS")		
	RECOVERY ERRORS*		
	(same logs available as under "HARD ERRORS")		

PREV/NEXT (applies to left column)

Using UDO media

HP UDO media meets HIPPA and federal archival regulations and offers customers both WORM and ReWritable formats. By using HP UDO media in your HP StorageWorks UDO jukeboxes and drives, you safeguard your investment by preserving the integrity of your data. HP develops, designs, qualifies, and exhaustively tests both hardware and media together to ensure the highest level of media quality and reliability.
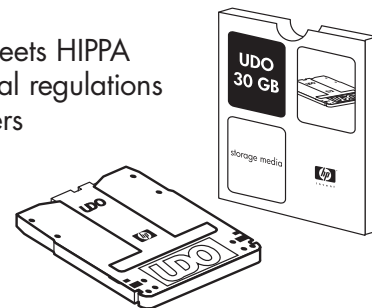
To order HP UDO media, contact your local area HP Authorized Reseller or buy online from:
http://www.hp.com/go/storagemedia.
For HP UDO 30GB Write Once media, order part number Q2030A. For HP UDO 30GB ReWritable media, order part number Q2031A.

Using HP StorageWorks Library and Tape Tools

HP StorageWorks Library and Tape Tools (L&TT) is a robust diagnostic tool for tape mechanisms, tape automation, magneto-optical and UDO products. L&TT provides functionality for firmware downloads, verification of device operation, maintenance procedures, failure analysis, corrective service actions and some utility functions.

Seamless integration is provided with HP's hardware support organization by generating and emailing support tickets. The support ticket delivers a snapshot, or an in-depth view, of the storage system.

L&TT is a free download from the web and deploys in less than five minutes. It is ideal for customers who want ensured product reliability, self-diagnostics and faster resolution of device issues.

For more information, visit
http://www.hp.com/support/tapetools.

Getting Help

- HP product information:
  http://www.hp.com/go/udo

- HP technical support and phone numbers:
  http://www.hp.com/support

- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
  http://www.hp.com/support/tapetools

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